Hydrology Investigation

Data Sheet

School name:	
Class or group name: _	
Name(s) of Student(s) of	ollecting data:
	: Day: Time:: (UT) Time:: (Local)
Water State: (check of □ Normal □ Flooded	one) l 🗖 Dry 🗖 Frozen 🗖 Unreachable
Transparency	
Cloud Cover (check of a no clouds of clear (<10%) of isolated clouds (10 of scattered (25%-49)). Enter data below, dependent	☐ broken (50%-90%) ☐ overcast (>90%) ☐ obscured
Secchi Disk	
First Secchi Disk Test: Distance from observer	to where disk disappears (m)
Distance from observer	to where disk reappears(m)
Distance from observer	to water surface(m)
	thes the bottom and does not disappear. depth to the bottom of the water site (m)
Second Secchi Disk Te Distance from observer	st: to where disk disappears (m)
Distance from observer	to where disk reappears(m)
Distance from observer	to water surface(m)
	thes the bottom and does not disappear. depth to the bottom of the water site (m)
Third Secchi Disk Test Distance from observer	t: to where disk disappears (m)
Distance from observer	to where disk reappears(m)
Distance from observer	to water surface(m)
	thes the bottom and does not disappear. depth to the bottom of the water site (m)

Transparency Tube

S TO F ALE COLLAND COPINION COLLAND	incharancy tubo?			
Greater than depth of transparency tube?				
•				
Greater than depth of tra	insparency tube? □			
ıre				
Observer Name		Temperature °C		
1.				
2.				
3.				
1		D: 1 10 (n)		
		Dissolved Oxygen (mg/L)		
2.				
3.				
perature of water sample Observer Name	e being tested:°C	Conductivity (µS/cm)		
1.	, 1			
2.				
	l .iemens/cm (US/cm)			
y Standard Micros	remens/em (µs/em)			
ed with: (check one) 🗖 p	paper 🗖 meter			
Observer Name	If salt added, conductivity (µs/cm)	рН		
1.				
2.				
3.				
	Greater than depth of training of the Greater than depth of training of the Greater Name 1.	Observer Name 1. 2. 3. Observer Name 1. 2. 3. perature of water sample being tested: °C Observer Name 1. 2. 3. y Standard: MicroSiemens/cm (µS/cm) ed with: (check one) □ paper □ meter Observer Name If salt added, conductivity (µs/cm) 1. 2.		

Salinity							
Tide Information							
Time of tide before me		hours and minutes					
Check one: 🗖 High Ti	de: 🗖 Lo	w Tide	Check one: [Check one: ☐ UT ☐ Local time			
Time of tide after meas	surement: _		_ hours and minutes				
Check one: 🗖 High Tio	de: 🗖 Lov	w Tide	Check one: ☐ UT ☐ Local time				
Place where these tides	occur:						
Salinity (Hydromet	ter Metho	od)					
		Test 1	Test 2	<u></u>	Test 3		
Temperature of wate in 500 mL cylinder	r	°C		_ °C	°C		
Specific Gravity:				_			
Salinity of Sample:		ppt		_ ppt	ppt		
Average Salinity:	ppt						
Optional Salinity T	itration						
Salinity of Sample:		Test 1:	_ ppt Test 2	2:ppt	Test 3:	_ ppt	
Average Salinity:	ppt						
Alkalinity: (For kits			ly)				
Average:	Observer	Name		Alka	alinity (mg/L as	$CaCO_{3}$	

Average:	Observer Name	Alkalinity (mg/L as $CaCO_3$)
	1.	
	2.	
mg/L as CaCO ₃	3.	

Alkalinity: (Hach kits or other kits in which drops are counted)

Observer Name	Number of Drops	X	Conversion constant for your kit	II	Total Alkalinity (mg/L as CaCO ₃)
1.		X		=	
2.		X		=	
3.		X		=	

Average: ____mg/L as CaCO₃

Total Nitrate + Nitrite (NO_3^- -N + NO_2^- -N)

Average: Nitrate+Nitrite	Observer Name	Nitrate and Nitrite (mg/L NO ₃ -N + NO ₂ -N)
	1.	
	2.	
mg/L	3.	

Nitrite-Nitrogen (NO₂--N) (optional)

Average: NO ₂ -N	Observer Name	Nitrite (mg/L NO ₂ -N)
	1.	
	2.	
mg/L	3.	